

**Statement Of Work  
For  
Rebuild of Radio Terminal Set,  
AN/TRC-170(V)5  
NSN 5895-01-354-7601**

**SOW-00-847-2-08658A-1/1**

**Prepared by  
Life Cycle Management Center, Code 847-2  
Marine Corps Logistics Bases, Albany, GA.**

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STATEMENT OF WORK FOR THE  
Rebuild of the Radio Terminal Set, AN/TRC-170(V)5  
5895-01-354-7601

1.0 Scope. This Statement of Work (SOW) establishes and sets forth tasks and identifies the work efforts that shall be performed by the Contractor (for purposes of this SOW, Contractor is defined as the commercial or government entity performing the rebuild in the rebuild effort of the Radio Terminal Set. These documents contain requirements to restore the Radio Terminal Set to Condition Code "A." Condition Code A is defined as "serviceable/issuable without qualification, new, used, repaired or reconditioned materiel which is serviceable and issuable to all customers without limitation or restriction, including materiel with more than 6 months shelf-life remaining."

1.1 Background. Rebuild is defined as "That maintenance technique to restore an item to a standard as near as possible to original or new condition in appearance, performance, and life expectancy. This is accomplished through a maintenance technique or complete disassembly of the item, inspection of all parts or components, repairs or replacement of worn or unserviceable elements using original manufacturing tolerances and/or specifications and subsequent reassembly of the items.

2.0 Applicable Documents. The following documents form a part of this SOW to the extent specified. Unless otherwise specified, the issues of these documents are those listed in the Department of Defense Index of Specifications and Standards (DoDISS) and supplement thereto which is in effect on the date of solicitation. In the event of conflict between the documents referenced herein and the contents of this SOW, the contents of this SOW shall be the superseding requirement.

2.1 Military Standards.

MIL-STD-129	DoD Standard Practice for Military Marking
MIL-STD-2073-1C	DoD Standard Practice for Military Packaging

Military Standards (For Reference Only).

MIL-STD-973	Configuration Management
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2.2 Other Government Documents and Publications. The issues of those documents cited below shall be used.

SL-3-08658A	Components list for AN/TRC-170(V)	OCT 1993 PCN 123 086580 00
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MI-08658A-35/1	Modification of Reflector Stowage Cushion OE-468/TRC	SEP 1993 PCN 160 986370 00
MI-08658A-35/2	Modification of Erection Leg Latches on AS-3954/TRC	NOV 1993 PCN 160 986730 00
MI-08658A-35/3	Relocation of Ceiling Light On-Off Switches for AN/TRC-170(V)5	JUN 1995 PCN 160 986731 00
MI-08658A-35/4	Modification of Deep Water Fording Kit for AN/TRC-170(V)5	MAY 1997 PCN 160 986732 00
TI-5820-25/22	Electromagnetic Environmental Effects (E3) Procedures for Installation of Communication Equipment on U.S. Marine Corps Platforms	PCN 168 047801 00
TM-5805-12/3 w/Ch. 1	Operator and Unit Maintenance Manual for MD-1023(P)G	SEP 1985 PCN 182 047993 01
TM-5805-34/3 w/Ch. 1	Direct and General Support Maintenance Manual for MD-1023(P)G	SEP 1985 PCN 182 048036 01
TM-5805-34P/2	Unit, Direct and General Support Maintenance Repair Parts and Special Tools List for TD-1235(P)/TTC	JUL 1994 PCN 182 048042 00
TM-5805-34P/3	Unit, Direct and General Support Maintenance Repair Parts and Special Tools List for TD-1236/G	JUL 1994 PCN 182 048043 00
TM-08658A-14/1 Vol. 1 w/Ch. 1-9	Organizational and Intermediate Combined Operation and Maintenance Instructions for AN/TRC-170(V)3	AUG 1985 PCN 184 086581 00
TM-08658A-14/1 Vol. 2 w/Ch. 1-4	Organizational and Intermediate Combined Operation and Maintenance Instructions for AN/TRC-170(V)3	AUG 1985 PCN 184 086582 00

TM-08658A-14/1 Vol. 3 w/Ch. 1-4	Organizational and Intermediate Combined Operation and Maintenance Instructions for AN/TRC-170(V)3	AUG 1985 PCN 184 086583 00
TM-08658A-14/1 Vol. 4 w/Ch. 1-5	Organizational and Intermediate Combined Operation and Maintenance Instructions for AN/TRC-170(V)3	AUG 1985 PCN 184 086584 00
TM-08658A-14/1 Vol. 5 w/Ch. 1-3	Organizational and Intermediate Combined Operation and Maintenance Instructions for AN/TRC-170(V)3	AUG 1985 PCN 184 086585 00
TM-08658A-24P/2A	Illustrated Parts Breakdown for AN/TRC-170(V)3	JUN 1988 PCN 184 086586 00
TM-09280A-14&P/1 w/Ch. 1-2	Operation and Maintenance Instructions for OE-468/TRC	NOV 1991 PCN 184 092800 00
TO 33A1-7-288-1	Operation and Maintenance Instructions for TS-4162/TRC	JUN 1996 PCN 600 002980 00
ULSS 000296-15	User's Logistic Suport Summary for Application Program Set (APS) AN/PSM-91	OCT 1996 PCN 132 101960 00
TM-4750-15/2-4 w/Ch. 1	Painting and Registration Marking for Marine Corps Combat and Tactical Equipment	PCN 182 047504 00
DOD 4000.25-1-M	MILSTRIP Manual	
NAVICPINST 4491.2A	Requisitioning of Contractor Furnished Material From The Federal Supply System	

### 2.3 Industry Standards.

ANSI/EIA 625	Requirements for Handling Electrostatic-Discharge Sensitive ESDS Devices
ANSI/ISO/ASQC Q9002-1994	Quality Systems

(Copies of Military Specifications and Standards are available from the Naval Publications and Forms Center, (ATTN: NPODS), 5801 Tabor Avenue, Philadelphia, PA 19120-5099. Copies

of other government documents and publications required by contractors in connection with specific SOW requirements shall be obtained through the Contracting Officer: Commander, Marine Corps Logistics Bases, (Code 891) Attn: Contracting Officer, 814 Radford Blvd., Albany, Georgia 31704-1128, commercial telephone number (912) 439- 6773 or DSN 567-6773. Copies of engineering drawings, if applicable, shall be obtained from Life Cycle Management Center, ATTN (Code 825-3), 814 Radford Blvd., Albany, Georgia 31704-0320.

### 3.0 Requirements.

#### 3.1 General Tasks. In fulfilling the specified requirements, the Contractor shall:

a. Provide materials, labor, equipment, facilities and missing/repair parts, necessary to inspect, diagnose, restore, and test and calibrate the Radio Terminal Set. Upon completion of rebuild, the subject item shall be Condition Code "A."

b. Conduct in-process and final on-site testing for witness by a Marine Corps authorized representative.

#### 3.2 Detail Tasks. The following tasks describe the different rebuild phases of the Radio Terminal Set.

3.2.1 Phase I- Pre-induction. A pre-induction inspection analysis shall be performed for each Radio Terminal Set using the Contractor Facility's diagnosis, inspection and testing techniques to determine extent of work and parts required. These findings shall be annotated on the Pre-Induction Checklist (Appendix A).

3.2.2 Phase II -Rebuild. After pre-induction tests and inspections have been completed, repair of the Radio Terminal Set shall be accomplished in accordance with this SOW. Deficiencies noted on the Pre-Induction Checklist (Appendix A) during Phase I shall be repaired/replaced. Components or assemblies shall not be disassembled for replacement of parts unless that part has failed, or the component assembly wherein the part is located is disassembled for repair.

##### a. Hardware.

(1) Replace broken, unserviceable and/or missing hardware including nuts, bolts, screws, washers, turn lock fasteners, mandatory replacement items, safety, and one-time use items, etc. Unserviceable would include any of the above that failed to function properly.

(2) Ensure proper hardware locking devices are present on all moving mechanical assemblies.

(3) Hardware normally supplied with commercial parts shall be used unless specifically prohibited.

### 3.2.3 Phase III - Inspection, Testing and Acceptance.

a. Inspection, Testing and Acceptance of the Radio Terminal Set shall be conducted in accordance with SL-3-08658A; MI-08658A-35/1, MI-08658A-35/2, MI-08658A-35/3, MI-08658A-35/4, TM-5805-12/3 w/Ch. 1, TM-5805-34/3 w/Ch. 1, TM-5805-34P/2, TM-5805-34P/3, TM-08658A-14/1 Vol. 1 w/Ch. 1-9; TM-08658A-14/1 Vol. 2 w/Ch. 1-4; TM-08658A-14/1 Vol. 3 w/Ch. 1-4; TM-08658A-14/1 Vol. 4 w/Ch. 1-5; TM-08658A-14/1 Vol. 5 w/Ch. 1-3; TM-08658A-24P/2A; TM-09280A-14&P/1 w/Ch. 1-2; TO 33A1-7-288-1; ULSS 000296-15; and TM-4750-15/2-4 w/Ch. 1.

### 3.2.4 Packaging, Handling, Storage and Transportation (PHS&T)

a. The Contractor shall be responsible for preservation and packaging of items being rebuilt under the terms of this SOW. Items being prepared for long term storage or shipment to overseas destinations shall be level "A" in accordance with MIL-STD-2073-1C, Table A.VI., Electronic Equipment. Items being prepared for domestic shipment and/or immediate use shall be Level "B."

b. Marking shall be in accordance with MIL-STD-129.

c. The Marine Corps will provide the contractor with the shipping address(es) for delivery of the rebuilt equipment. The contractor shall be responsible for arranging for shipment to the pre-designated site(s). The Marine Corps will be responsible for transportation costs associated with shipping the subject equipment to and from the Contractor.

### 3.3 Configuration Management.

3.3.1 Configuration Control. The contractor shall apply configuration procedures to establish configuration items. The contractor shall not implement configuration changes to an item's documented performance or design characteristics without receiving prior written authorization. If it is necessary to depart from the authorized configuration baseline, the contractor shall submit a Request for Deviation or Request for Waiver using MIL-STD-973 (paragraph 5.4.3 or 5.4.4 and Appendix E) as a guide.

3.4 Government Furnished Equipment (GFE)/Government Furnished Materiel (GFM). GFE is government owned equipment authorized by contract for use by a Commercial/Government Contractor. It is neither consumed during production nor incorporated into any product. GFM is materiel furnished to a contractor that will be consumed during the course of production or incorporated into the product being manufactured/remanufactured under a contract/statement of work. In the event the Marine Corps does have GFE/GFM requirements the Management Control Activity (MCA/G316-2), Marine Corps Logistics Bascs, Albany, Georgia, will coordinate required GFE and will maintain a central control on Marine Corps assets in the Contractor's possession. The MCA will forward a GFE Accountability agreement to the

Contractor Facility for signature to establish a chain of custody and property responsibilities for Marine Corps assets. The contractor shall report receipt of all GFM and report consumption of GFM to the MCA.

3.5 Contractor Furnished Materiel. The Marine Corps has adopted the Navy's procedures regarding Contractor Furnished Materiel (NAVICPINST 4491.2A). In the event that Contractor Furnished Materiel is required for repair parts, the Contractor shall requisition through the DoD Supply System. DoD 4000.25-1-M, (MILSTRIP) Chapter 11 authorizes contractors to requisition through the DoD Supply System.

3.6 Electrostatic Discharge (ESD) Control Program. The contractor shall establish, implement and document an ESD control program following the guidelines provided in EIA-625. ESD protective measures shall be used during manufacturing, handling, inspection, test, marking, packaging, storing and transporting ESD sensitive components.

3.7 Electromagnetic Environmental Effects (E3) Procedures. The Contractor shall plan for and use proper (E3) control procedures in the Rebuild process and shall utilize TI-5820-25/22 in conjunction with the detailed requirements specified in this document.

3.8 Quality Assurance Provisions.

The Contractor shall provide and maintain a Quality System that as a minimum, adheres to the requirements of ANSI/ISO/ASQC Q9002-1994, Quality System Model for Quality Assurance in Production, Installation, and Servicing. The program shall ensure quality throughout all areas to include design, fabrication, processing, assembly, inspection, test, maintenance, and preparation for delivery and shipping. Unless otherwise specified in the contract, the contractor shall be responsible for performance of all inspection requirements. The Government reserves the right to perform any of the inspections set forth in the contract where such inspections are deemed necessary to assure products and services conform to the prescribed requirements. The Contractor shall provide an Inspection and Test Plan that will ensure the Radio Terminal Set will meet or exceed the original performance characteristics of the Radio Terminal Set.

3.9 Acceptance.

The performance of the Contractor and the quality of work delivered, including all equipment furnished and documentation written or compiled, shall be subject to in-process review and inspection during performance. Inspection may be accomplished in-plant or at any work site or location, and Marine Corps representatives shall be permitted to observe the work or to conduct an inspection. Final inspection and acceptance testing shall be conducted at the Contractor's Facility. Final acceptance shall be conducted on 100 percent of items to verify that the units meet all requirements.



3.10 Rejection.

Failure to comply with any of the specified requirements listed herein shall be reason for rejection by MCLB (Code 891), Albany, representative. The Contractor shall, at no additional cost to MCLB, Albany, Georgia, correct the deficiencies and repeat the verification until an acceptable compliance with acceptance test procedures is demonstrated.

**Pre-Induction Checklist**  
**AN/TRC-170(V)**

1. In accordance with the references listed in paragraph 3.2.3 of this Statement of Work, inspect all components listed in SL-3-08656A.

# CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved  
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

<b>A. CONTRACT LINE ITEM NO.</b>	<b>B. EXHIBIT</b>	<b>C. CATEGORY:</b> TDP _____ TM _____ OTHER <input checked="" type="checkbox"/>
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<b>D. SYSTEM/ITEM</b> Radio Terminal Set, AN/TRC-170(V)	<b>E. CONTRACT/PR NO.</b>	<b>F. CONTRACTOR</b>
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<b>1. DATA ITEM NO.</b> A001	<b>2. TITLE OF DATA ITEM</b> Request For Deviation	<b>3. SUBTITLE</b> Configuration Management
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<b>4. AUTHORITY (Data Acquisition Document No.)</b> DI-CMAN-80640B	<b>5. CONTRACT REFERENCE</b> SOW 3.3.1	<b>6. REQUIRING OFFICE</b> MCLBA (825)
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<b>7. DD 250 REQ</b> LT	<b>9. DIST STATEMENT REQUIRED</b> A	<b>10. FREQUENCY</b> ASREQ	<b>12. DATE OF FIRST SUBMISSION</b> SEE BLK 16	<b>14. DISTRIBUTION</b>											
<b>8. APP CODE</b>		<b>11. AS OF DATE</b>	<b>13. DATE OF SUBSEQUENT SUBMISSION</b>	<table border="1"> <tr> <th rowspan="2">a. ADDRESSEE</th> <th colspan="3">b. COPIES</th> </tr> <tr> <th>Draft</th> <th>Reg</th> <th>Repro</th> </tr> <tr> <td>MCLBA (825-2)</td> <td>0</td> <td>1</td> <td>0</td> </tr> </table>	a. ADDRESSEE	b. COPIES			Draft	Reg	Repro	MCLBA (825-2)	0	1	0
a. ADDRESSEE	b. COPIES														
	Draft	Reg	Repro												
MCLBA (825-2)	0	1	0												

<b>16. REMARKS</b>  Blk 4 - Contractor format is authorized.  Blks 10 & 12 - RFDs shall be submitted to obtain authorization to deliver nonconforming material which does not meet the prescribed configuration documentation.  RFDs will be reviewed and disposition determined within 30 calendar days upon receipt by the Government.  RFDs shall be submitted on a 3.5" disk in ASCII format.  Distribution Statement A: Approved for public release; distribution is unlimited.				
	<b>15. TOTAL</b>	0	1	0

<b>G. PREPARED BY</b> <i>Betty Jean Crawford</i>	<b>H. DATE</b> 11 05 00	<b>I. APPROVED BY</b> <i>Robert M. Elumbe</i>	<b>J. DATE</b> 990823
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<b>17. PRICE GROUP</b>
<b>18. ESTIMATED TOTAL PRICE</b>

# CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved  
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP _____ TM _____ OTHER <input checked="" type="checkbox"/>
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D. SYSTEM/ITEM Radio Terminal Set, AN/TRC-170(V)	E. CONTRACT/PR NO.	F. CONTRACTOR
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1. DATA ITEM NO. A002	2. TITLE OF DATA ITEM Request For Waiver	3. SUBTITLE Configuration Management
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4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80641B	5. CONTRACT REFERENCE SOW 3.3.1	6. REQUIRING OFFICE MCLBA (825)
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7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED A	10. FREQUENCY ASREQ	12. DATE OF FIRST SUBMISSION SEE BLK 16	14. DISTRIBUTION a. ADDRESSEE MCLBA (825-2)	b. COPIES Draft Final Reg Repr		
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION				

16. REMARKS  Blk 4 - Contractor format is authorized.  Blks 10 & 12 - RFWs shall be submitted to obtain authorization to deliver nonconforming material which does not meet the prescribed configuration documentation.  RFWs will be reviewed and disposition determined within 30 calendar days upon receipt by the Government.  RFWs shall be submitted on a 3.5" disk in ASCII format.  Distribution Statement A: Approved for public release; distribution is unlimited.	15. TOTAL	0	1	0

G. PREPARED BY <i>Betty Jean Crawford</i>	H. DATE AUG 05 1999	I. APPROVED BY <i>Robert A. Elumbe</i>	J. DATE 990823
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17. PRICE GROUP
18. ESTIMATED TOTAL PRICE